

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please ADD claim 32 in accordance with the following:

1. (ORIGINAL) An input device comprising:
magnets that are arranged in a flat state;
coils that are arranged so as to face the magnets, and are moved in relation to the magnets;
a mobile member that is connected to the coils;
a first guide member that slidably guides the mobile member;
a second guide member that slidably guides the first guide member in a direction perpendicular to the sliding direction of the mobile member; and
a switch that is operated by an operator to carry out an input operation, the switch being formed on the mobile member.
2. (ORIGINAL) An input device comprising:
coils that are arranged in a flat state;
magnets that are arranged so as to face the coils, and are moved in relation to the coils;
a mobile member that is connected to the magnets;
a first guide member that slidably guides the mobile member;
a second guide member that slidably guides the first guide member in a direction perpendicular to the sliding direction of the mobile member; and
a switch that is operated by an operator to carry out an input operation, the switch being formed on the mobile member.
3. (ORIGINAL) An input device comprising:
magnets that are arranged in a flat state;
coils that are arranged so as to face the magnets, and are moved in relation to the

magnets;

a mobile member that is connected to the coils;

a first holding member that slidably holds the mobile member;

a second holding member that slidably holds the first guide member in a direction perpendicular to the sliding direction of the mobile member; and

a switch that is operated by an operator to carry out an input operation, the switch being formed on the mobile member.

4. (ORIGINAL) An input device comprising:

coils that are arranged in a flat state;

magnets that are arranged so as to face the coils, and are moved in relation to the coils;

a mobile member that is connected to the magnets;

a first holding member that slidably holds the mobile member;

a second holding member that slidably holds the first guide member in a direction perpendicular to the sliding direction of the mobile member; and

a switch that is operated by an operator to carry out an input operation, the switch being formed on the mobile member.

5. (ORIGINAL) The input device as claimed in claim 1, further comprising

a controlling unit that performs control so as to allow control current to flow into the coils when the switch is on.

6. (ORIGINAL) The input device as claimed in claim 1, further comprising

a controlling unit that performs control so as to prohibit control current from flowing into the coils when the switch is on.

7. (ORIGINAL) The input device as claimed in claim 1, wherein:

the switch includes a button switch that is linked to the mobile member; and when the mobile member is pressed, the switch is turned on or off.

8. (ORIGINAL) The input device as claimed in claim 1, further comprising

a pressing member that is slidably located inside the mobile member and

protrudes from the upper surface of the mobile member,

wherein:

the switch includes a button switch below the pressing member; and

when the pressing member is pressed, the switch is turned on or off.

9. (ORIGINAL) The input device as claimed in claim 1, wherein the switch includes a photointerrupter.

10. (ORIGINAL) The input device as claimed in claim 1, wherein the switch includes a button switch and a photointerrupter, the button switch being linked to the lower part of the mobile member or being slidably provided inside the mobile member and protruding from the upper surface of the mobile member.

11. (ORIGINAL) The input device as claimed in claim 9, wherein the photointerrupter is provided inside the mobile member so that a detection surface is exposed through the mobile member.

12. (ORIGINAL) The input device as claimed in claim 9, further comprising an optical waveguide pipe that has one surface exposed through the mobile member and the other surface optically linked to a detection surface of the photointerrupter, wherein the photointerrupter is located inside the mobile member.

13. (ORIGINAL) The input device as claimed in claim 1, wherein:
the mobile member includes a mobile piece that protrudes so that an operator can touch the mobile member;

the mobile piece includes an engaging tongue that engages with the first guide member so as to prevent the first guide member from slipping off.

14. (ORIGINAL) The input device as claimed in claim 1, wherein at least one of the first guide member and the second guide member includes a protrusion on a sliding face.

15. (ORIGINAL) The input device as claimed in claim 14, wherein the protrusion is a rail-like protrusion extending in a sliding direction.

16. (ORIGINAL) The input device as claimed in claim 14, wherein the protrusion includes hemispherical protrusions scattered on the sliding face.

17. (ORIGINAL) The input device as claimed in claim 1, wherein at least one of the first guide member and the second guide member includes a plurality of convex parts on a sliding face.

18. (ORIGINAL) The input device as claimed in claim 3, wherein the second holding member includes a pair of shafts that are arranged at a distance from each other and support the first holding member in a slidable state.

19. (ORIGINAL) The input device as claimed in claim 1, wherein the mobile member includes a shock relief member that eases shock when the mobile member reaches the furthest end reachable.

20. (ORIGINAL) The input device as claimed in claim 19, wherein the shock relief member includes at least one of a plate spring, a coil spring, or a shock absorber.

21. (ORIGINAL) The input device as claimed in claim 1, wherein the magnets are integrally formed with spacers by molding a magnetic material.

22. (ORIGINAL) The input device as claimed in claim 1, further comprising a substrate to which the coils are secured,
wherein the substrate is secured by an engaging claw provided to the mobile member.

23. (ORIGINAL) The input device as claimed in claim 22, wherein the substrate is integrally formed with the mobile member.

24. (ORIGINAL) The input device as claimed in claim 1, further comprising a resin substrate to which the coils are secured, wherein the substrate has ribs for positioning and securing the coils.
25. (ORIGINAL) The input device as claimed in claim 13, further comprising a stand-by mechanism that secures the mobile piece to a predetermined position.
26. (ORIGINAL) The input device as claimed in claim 1, the coils are covered with a black color agent.
27. (ORIGINAL) The input device as claimed in claim 1, wherein surfaces of the magnets are subjected to blackening.
28. (ORIGINAL) The input device as claimed in claim 1, wherein epoxy resin containing a black color agent is applied to surfaces of the magnets.
29. (ORIGINAL) The input device as claimed in claim 1, further comprising a magneto-electric conversion element that detects movement of the coils in relation to the magnets.
30. (ORIGINAL) The input device as claimed in claim 1, wherein the magnets are permanent magnets or electromagnets.
31. (ORIGINAL) The input device as claimed in claim 1, further comprising:
a first substrate on which a driving unit for driving an actuator unit including the coils and the magnets is formed; and
a second substrate on which a controlling unit for controlling the driving unit is formed, the first substrate and the second substrate being electrically connected to each other with a curled cable.
32. (NEW) An input device comprising:
a set of magnets and a set of coils one set arranged in a flat form and the other set

facing the one set,

- a moving member connected to one of the set of magnets and the set of coils;

- a first member controlling the moving member to move within a predetermined range;

- a second member controlling the first member to move within another predetermined range in a second direction, perpendicular to the first direction; and

- a switch that is operated by an operator to carry out an input operation and is mounted on the moving member.